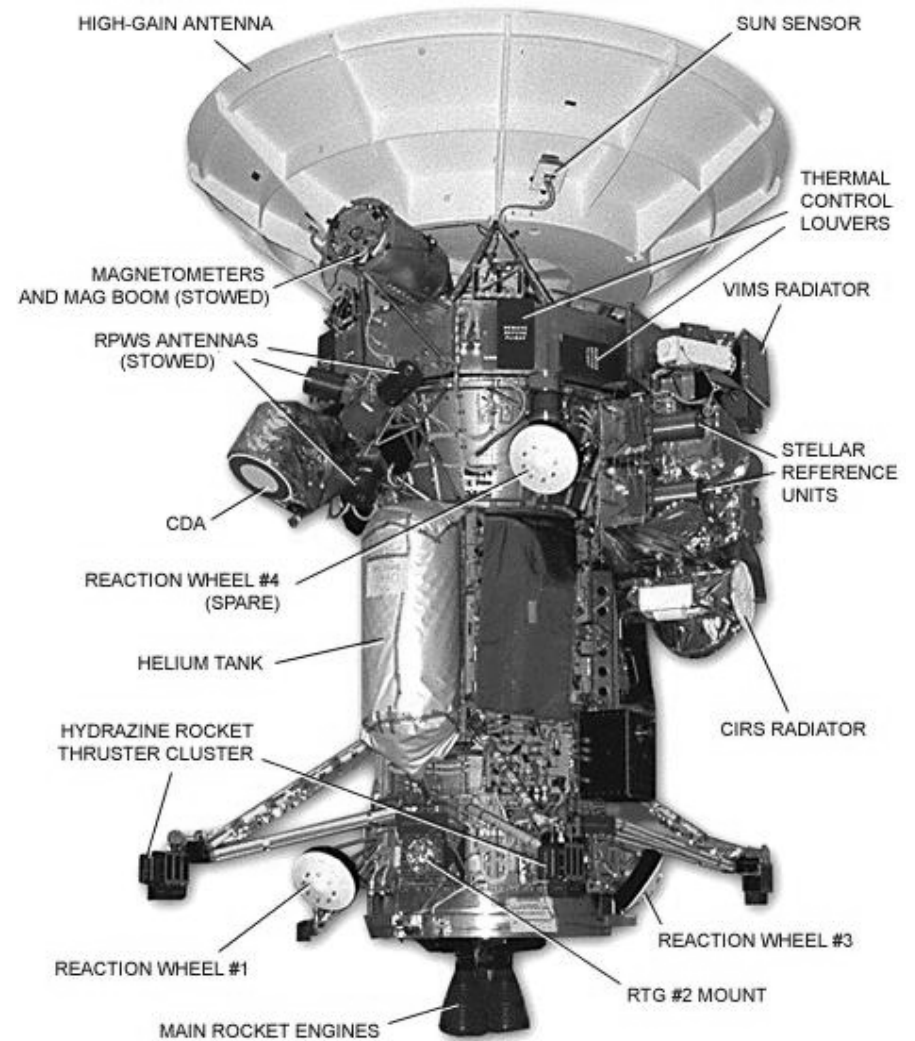
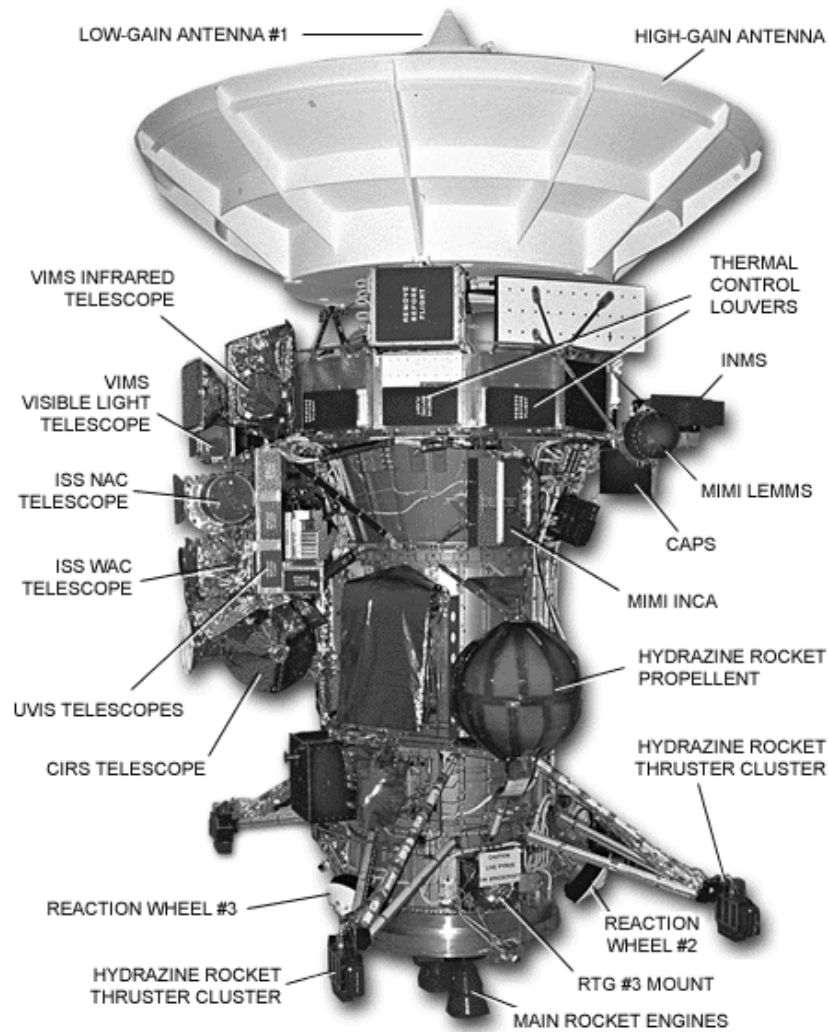


Cassini-Huygens: Recent Imaging Results

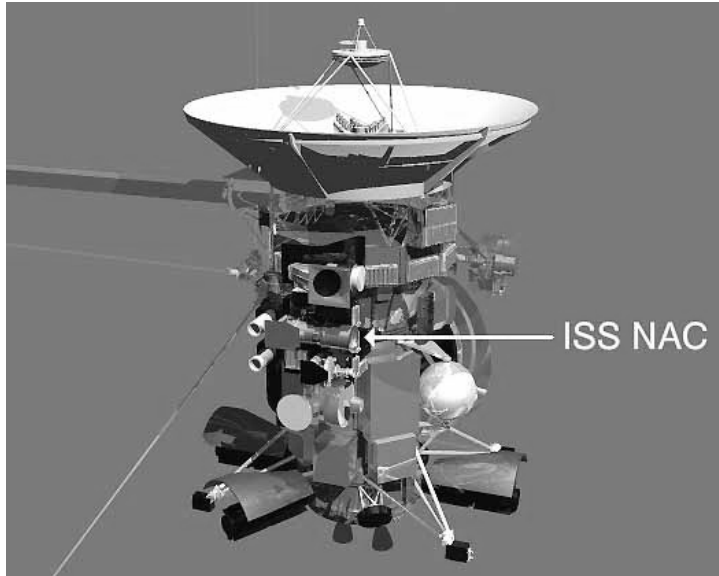
Dr. Kevin R. Grazier

Jet Propulsion Laboratory

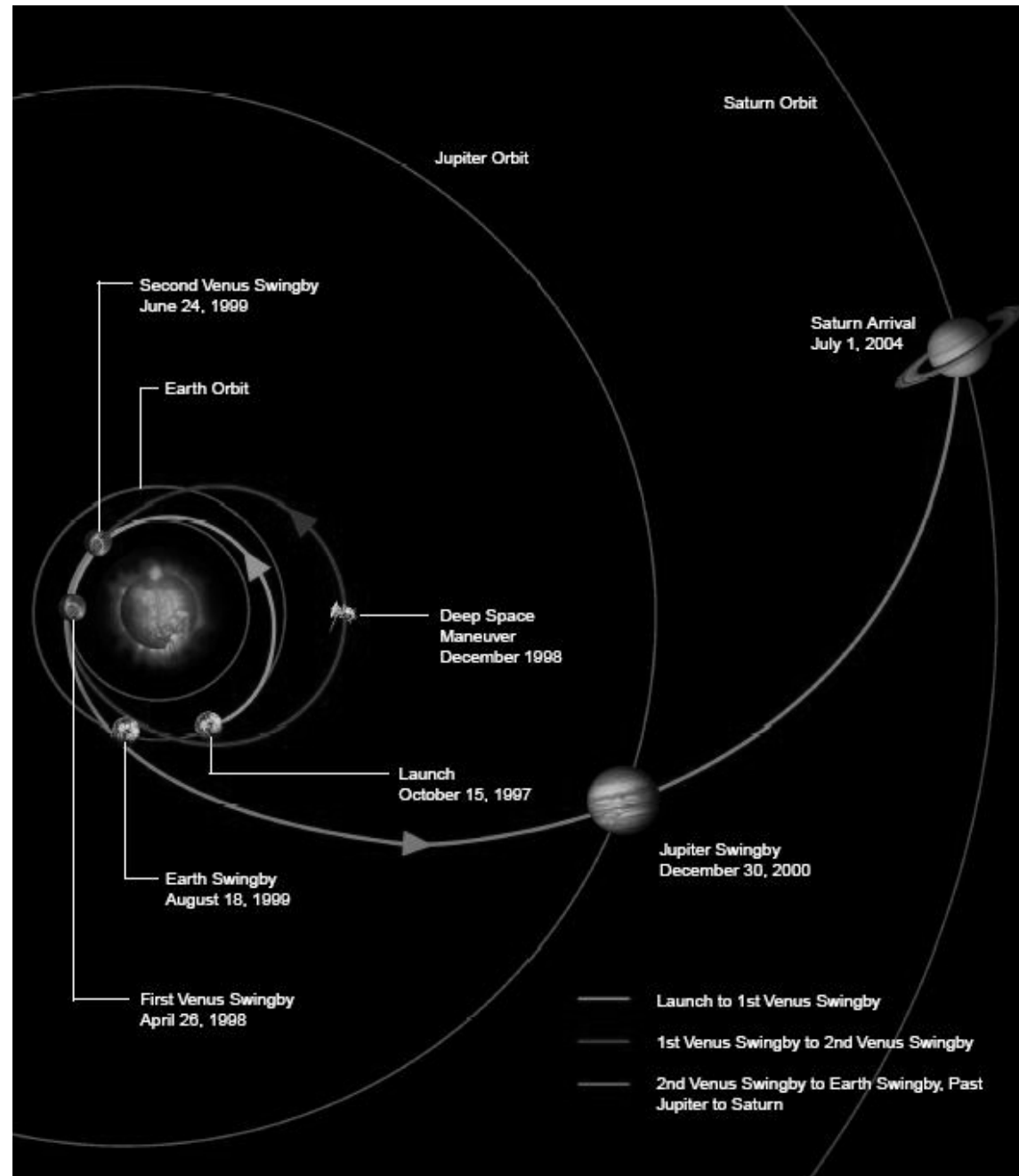
Cassini Spacecraft



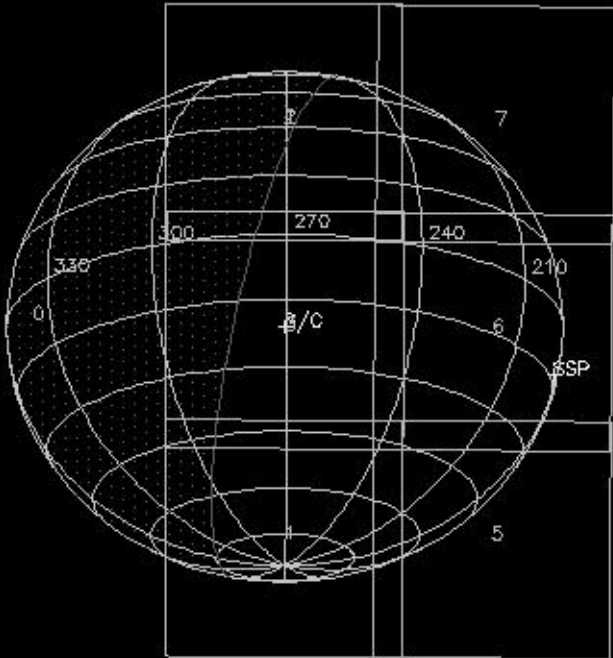
Cassini's MOST IMPORTANT instrument: The Imaging Science Subsystems (ISS)



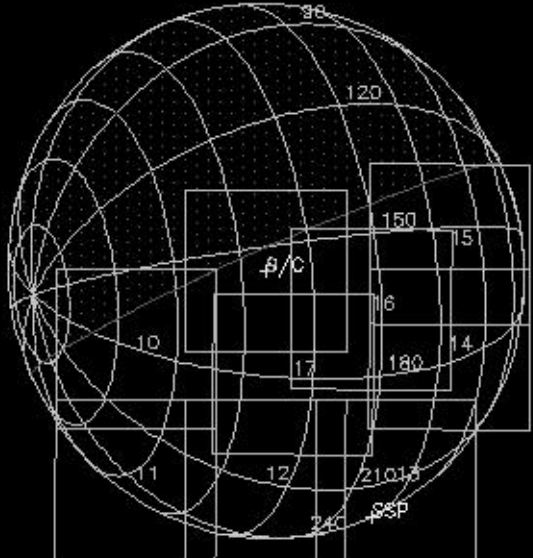
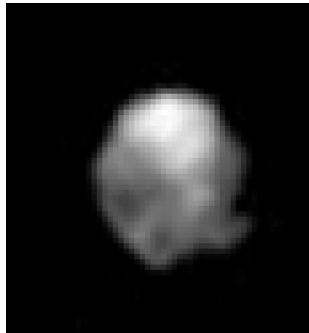
Cassini's VVEJGA Trajectory



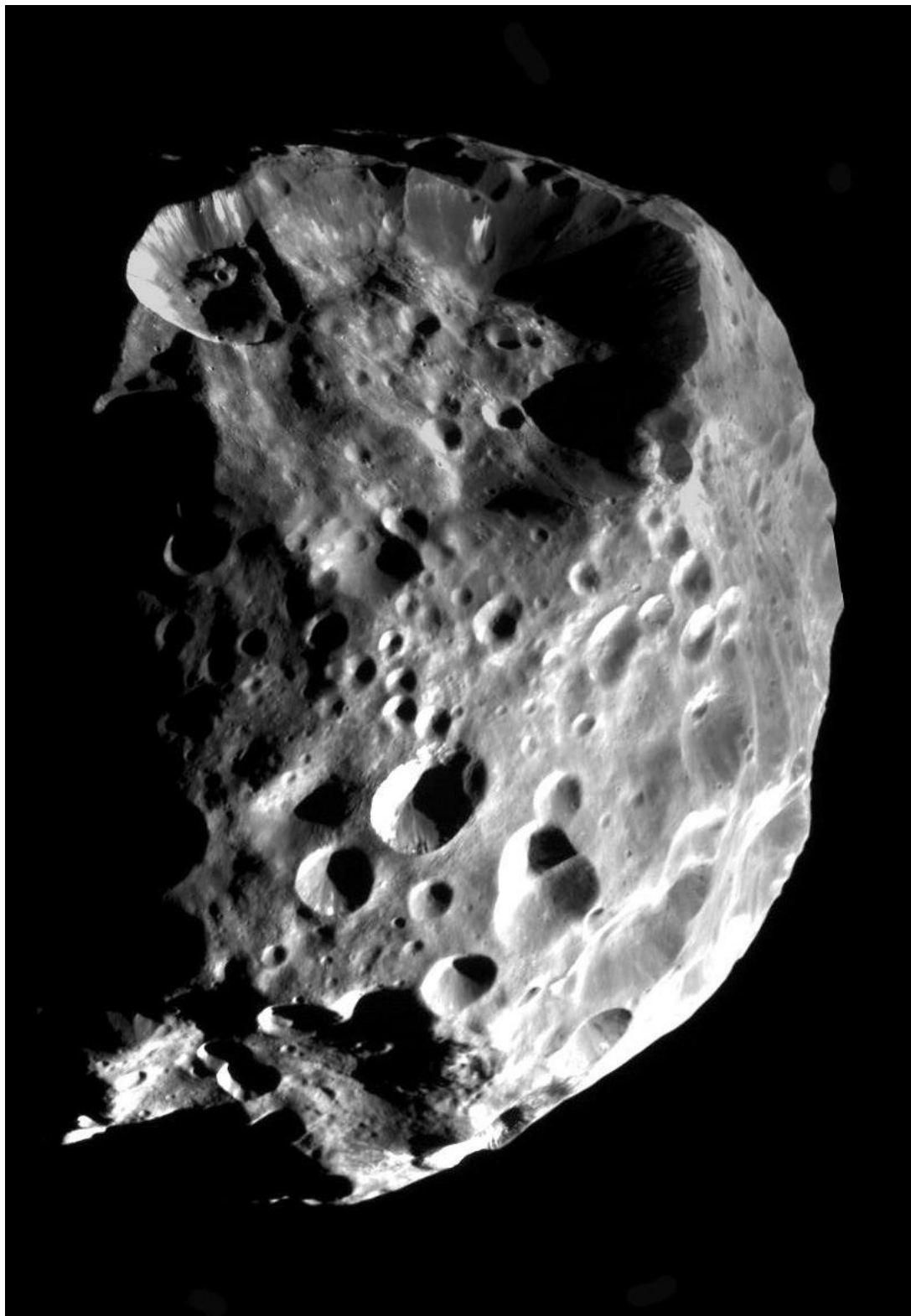
2000 km altitude

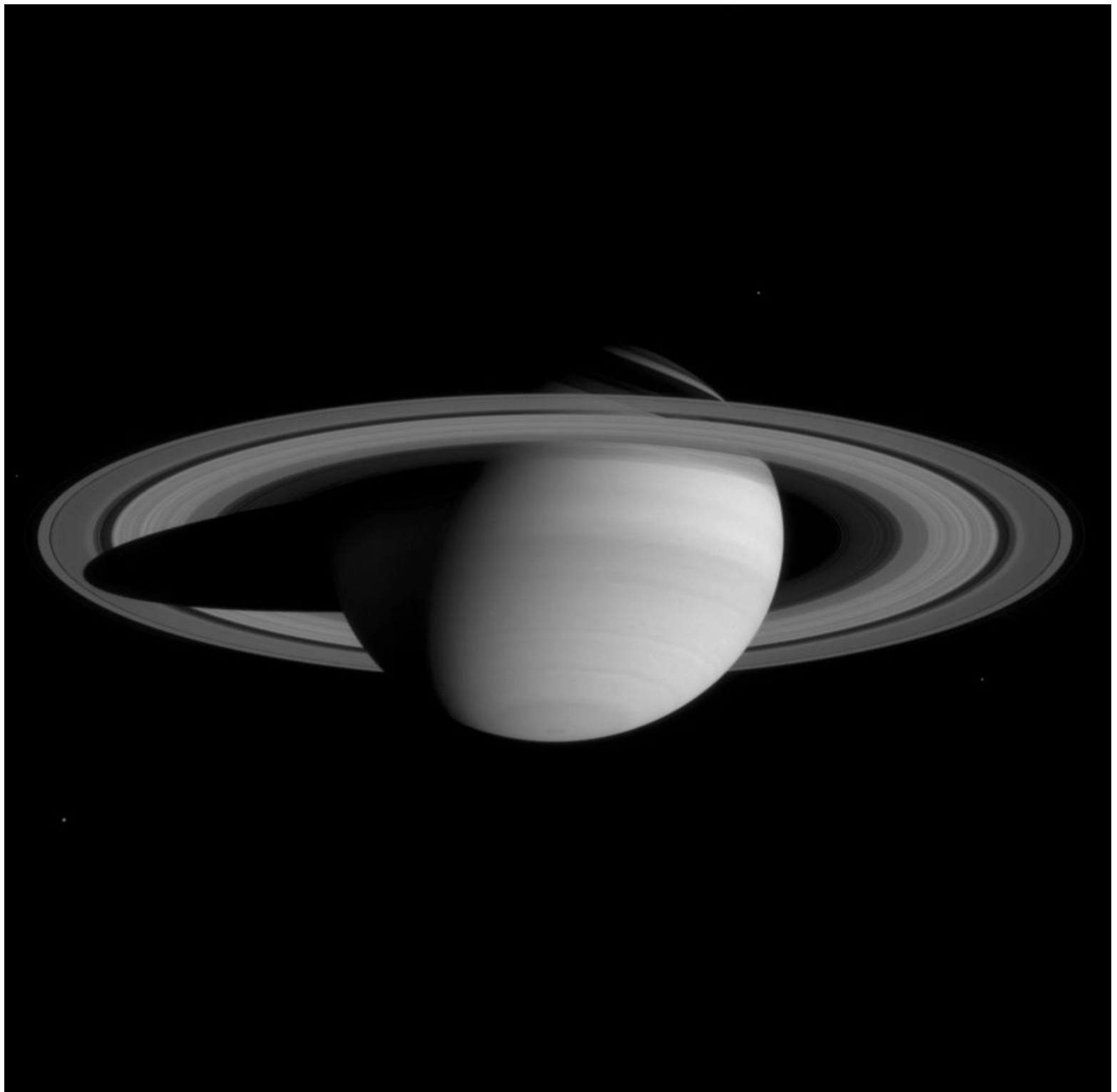


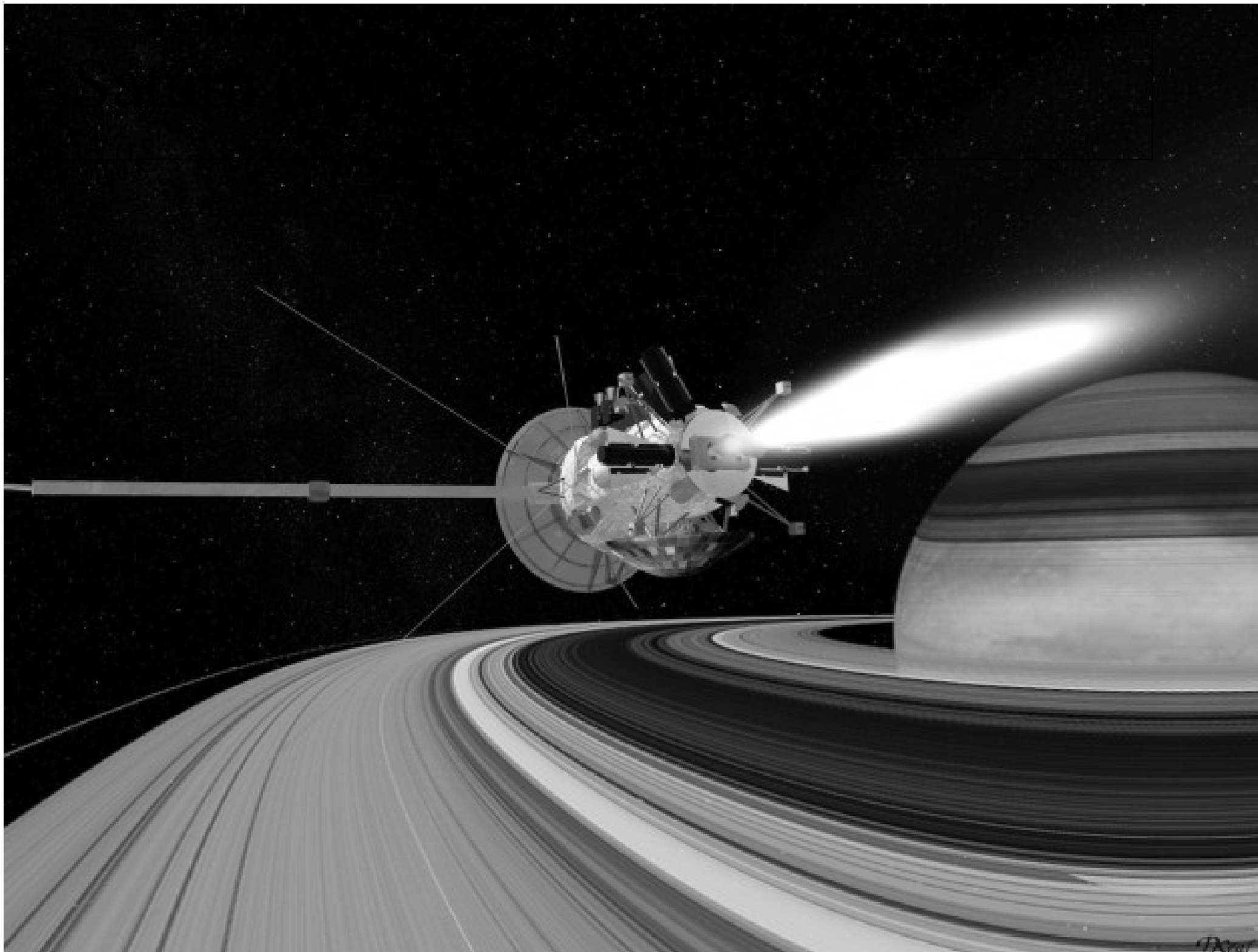
Inbound; ~15000 km altitude; ~ 90 m/pxl



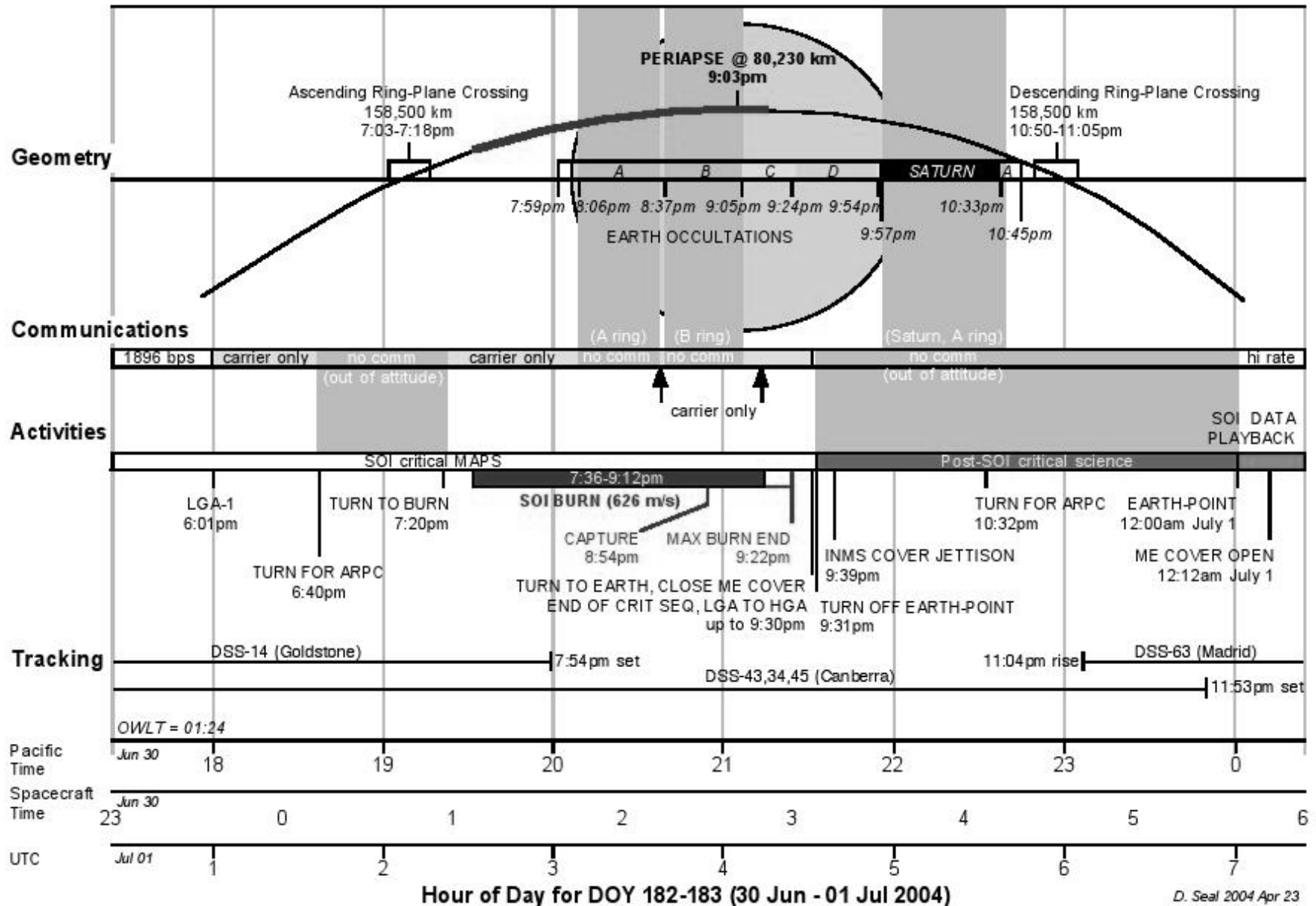
Outbound; ~11000 km altitude; ~70 m/pxl



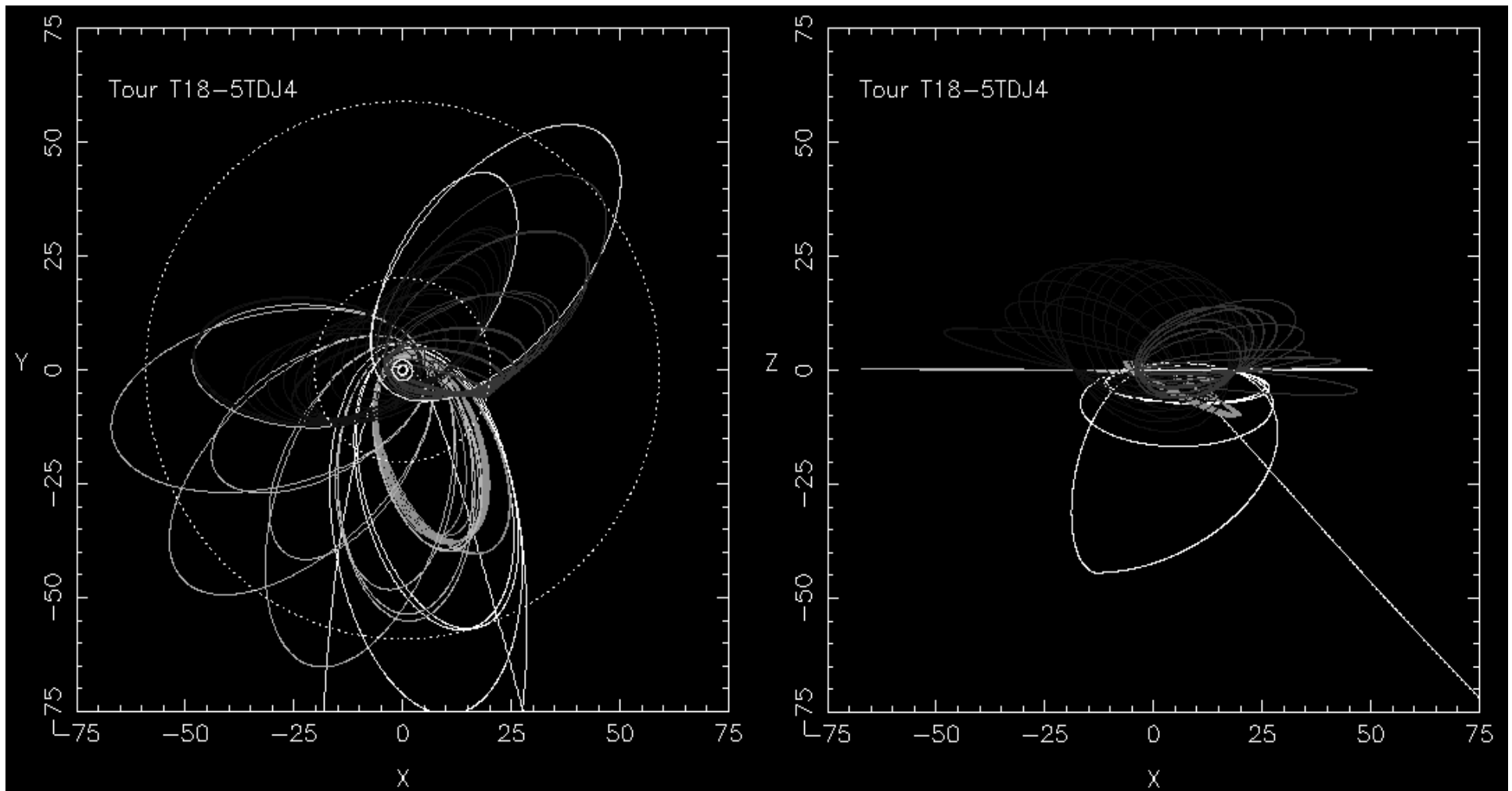




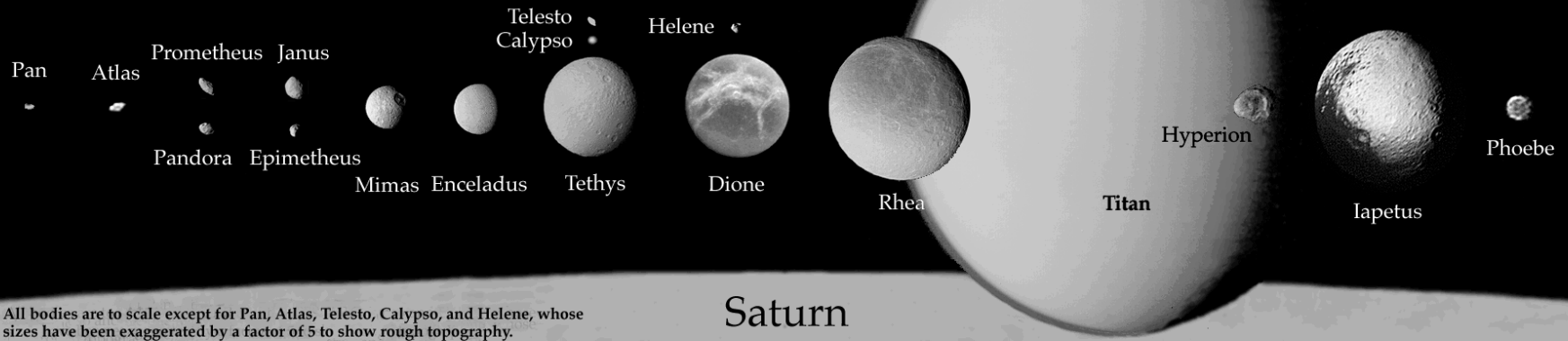
SOI ACTIVITIES TIMELINE SMALL SCALE, PACIFIC TIME



Over the next four years, Cassini will tour the Saturn system, making 74 orbits, including 52 close encounters with seven of Saturn's 35 known satellites.

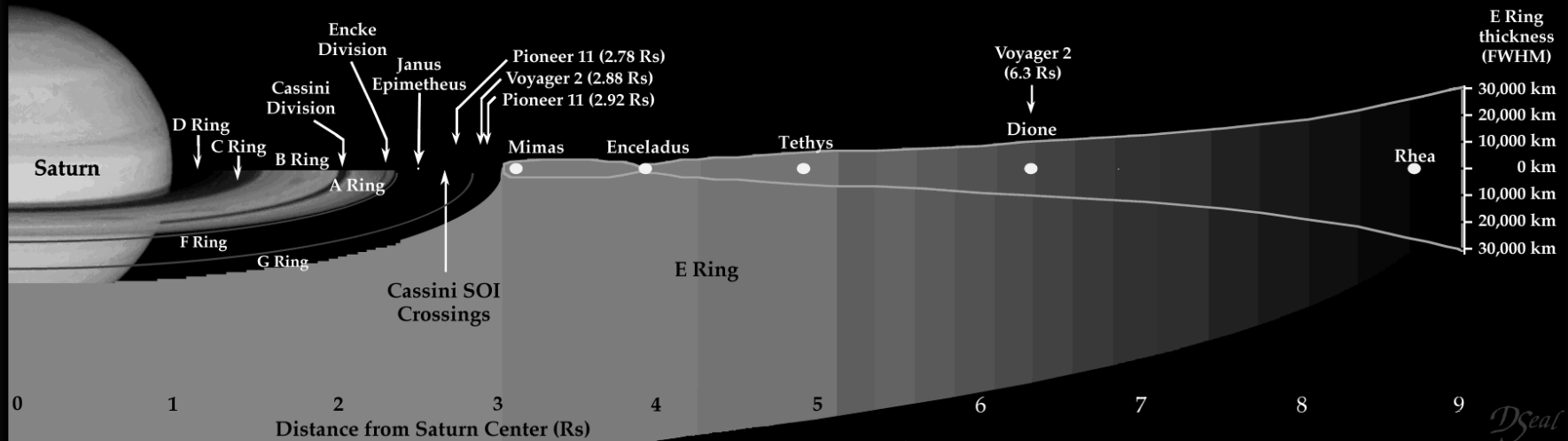


Saturn's Satellites and Ring Structure



Not shown:

Pan	2.22 Rs	Titan	20.3 Rs
Atlas	2.28 Rs	Hyperion	24.6 Rs
Prometheus	2.31 Rs	Iapetus	59.1 Rs
Pandora	2.35 Rs	Phoebe	214.9 Rs

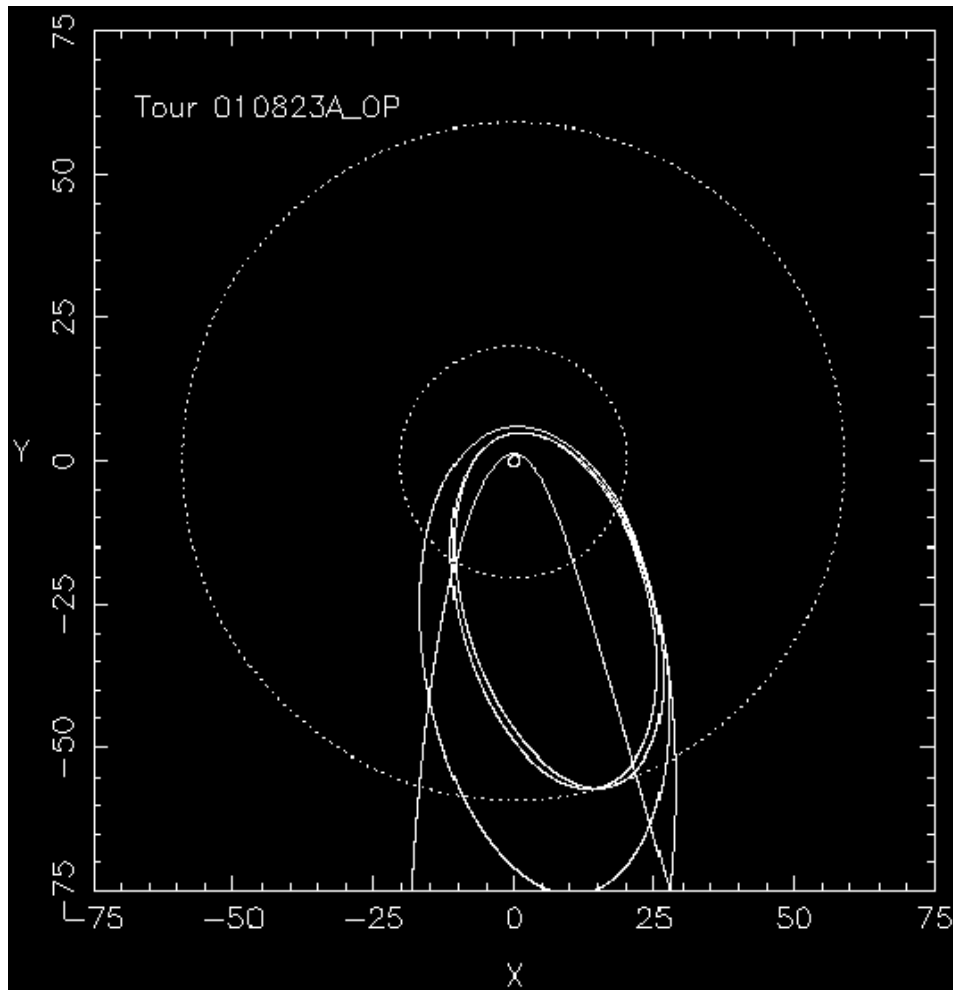


This graphic is available in color if required.

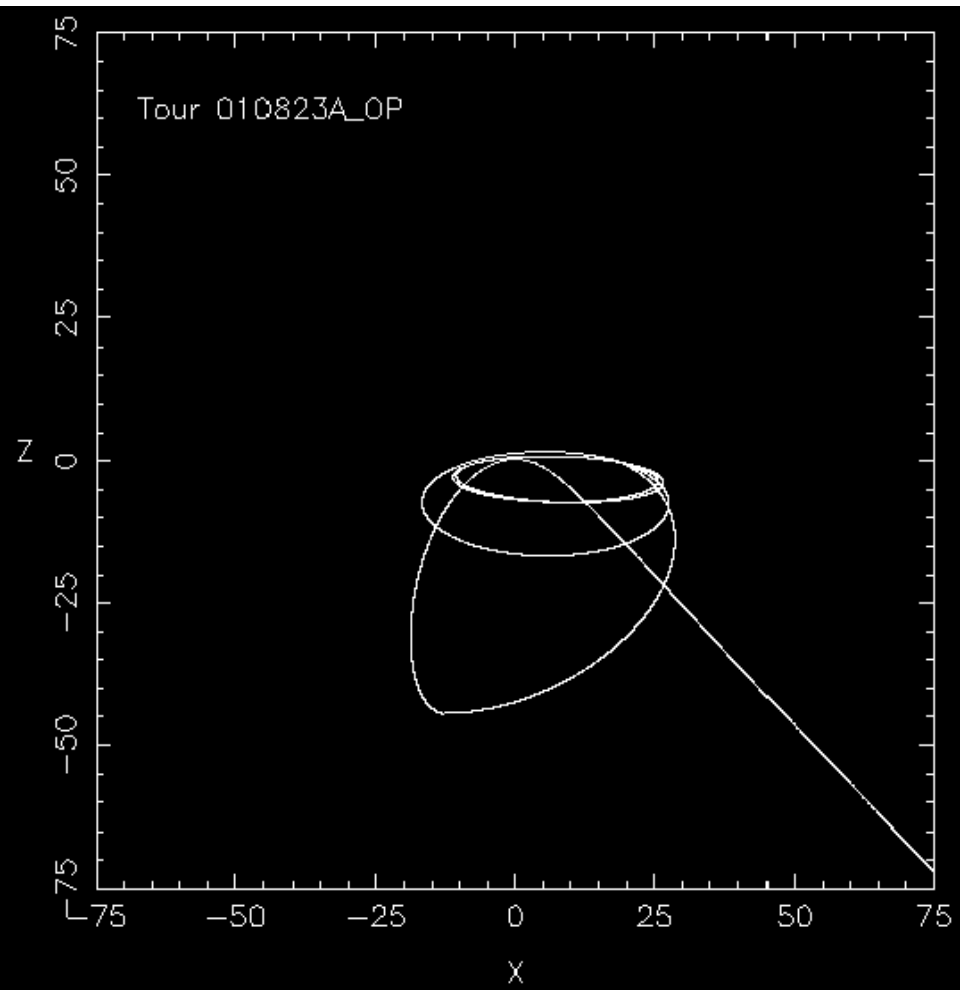
Cassini Tour T18-5

Orbit Insertion and Huygens Mission

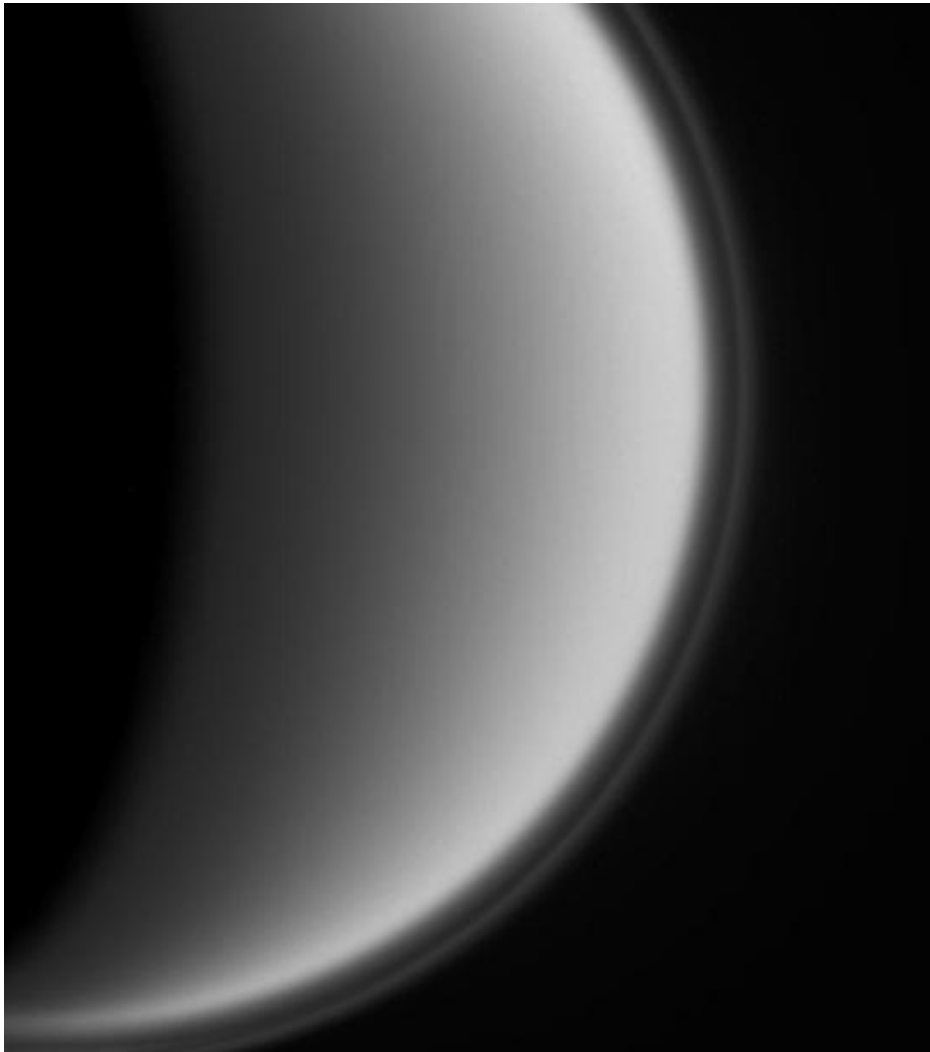
Looking down from Saturn's North Pole



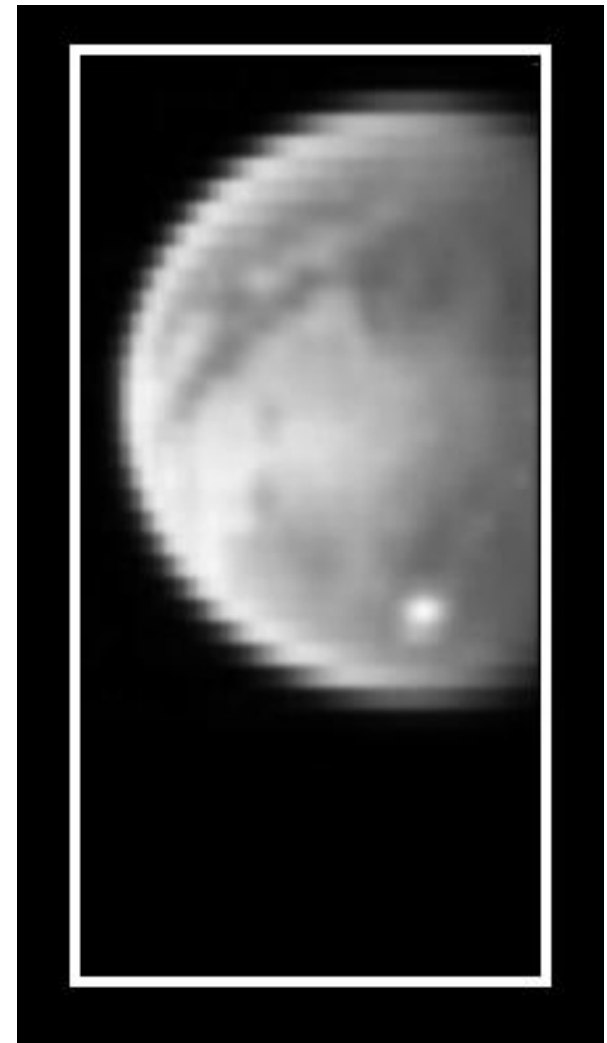
Looking in Saturn's Ring Plane



Titan as Seen During T_0

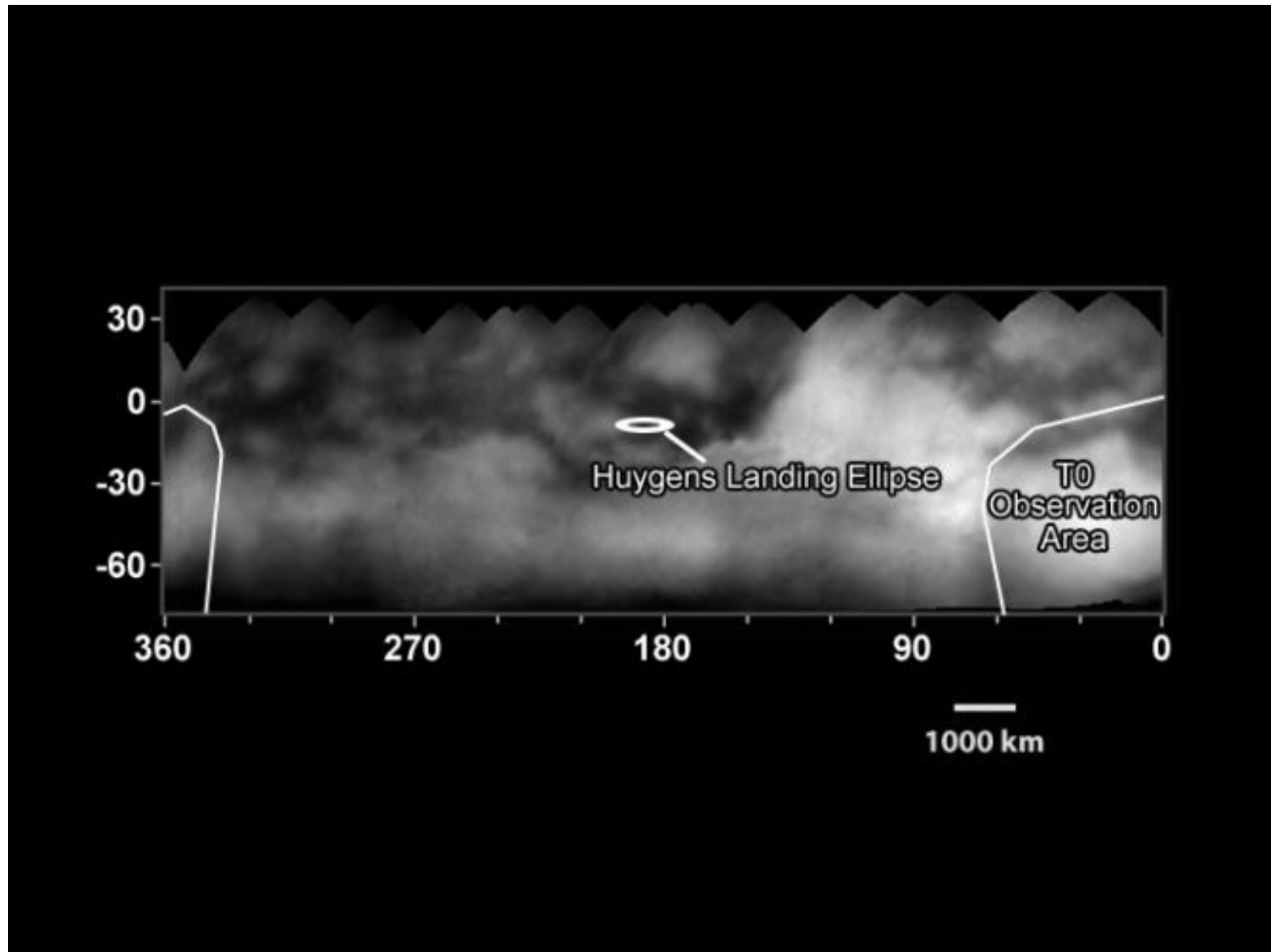


From ISS

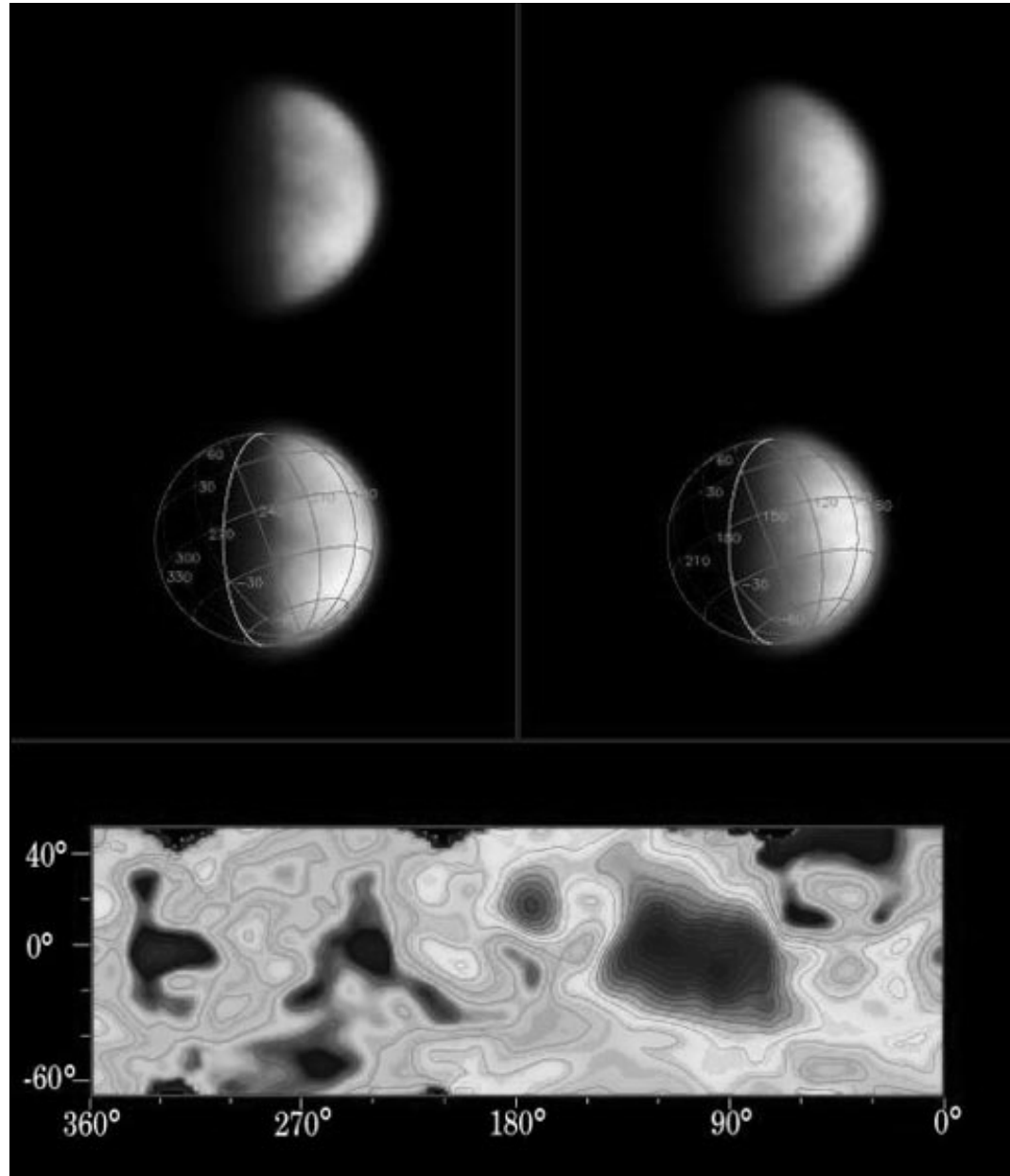


From VIMS

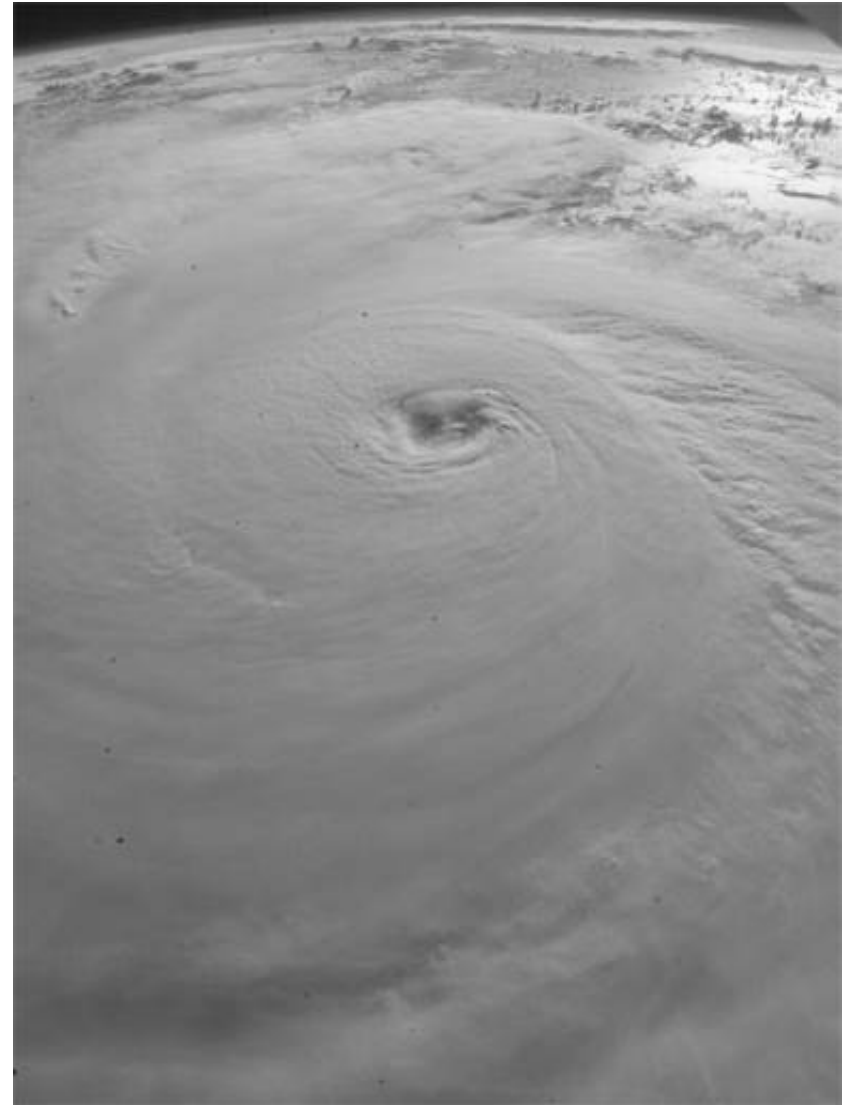
Titan as Seen During T_0



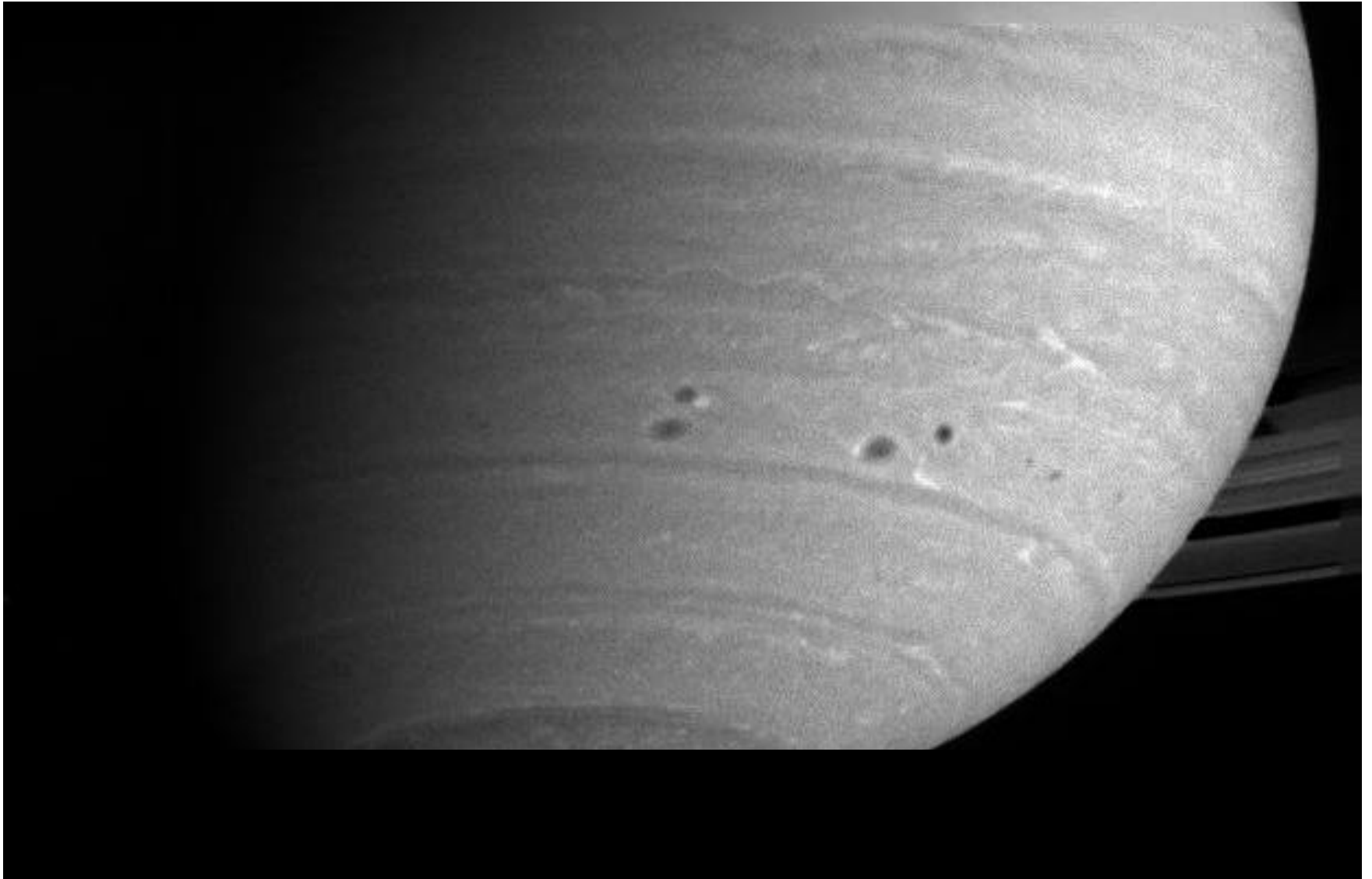
Titan Topography



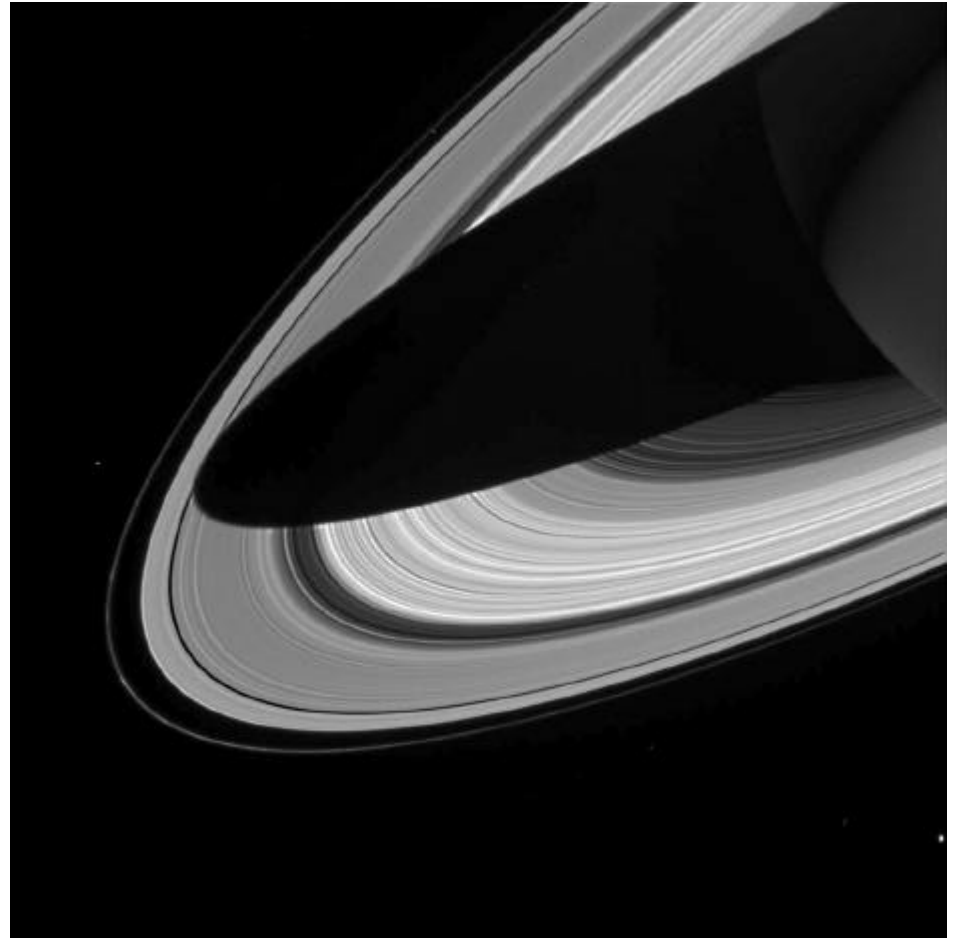
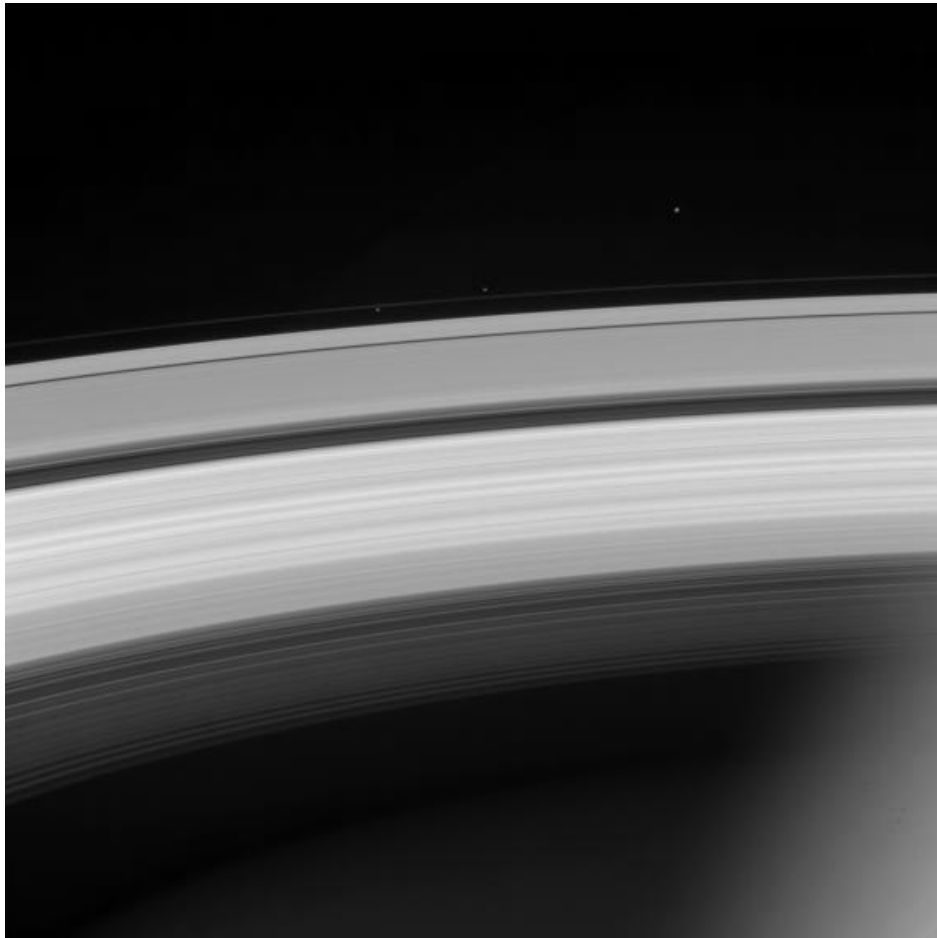
Our Planet Earth



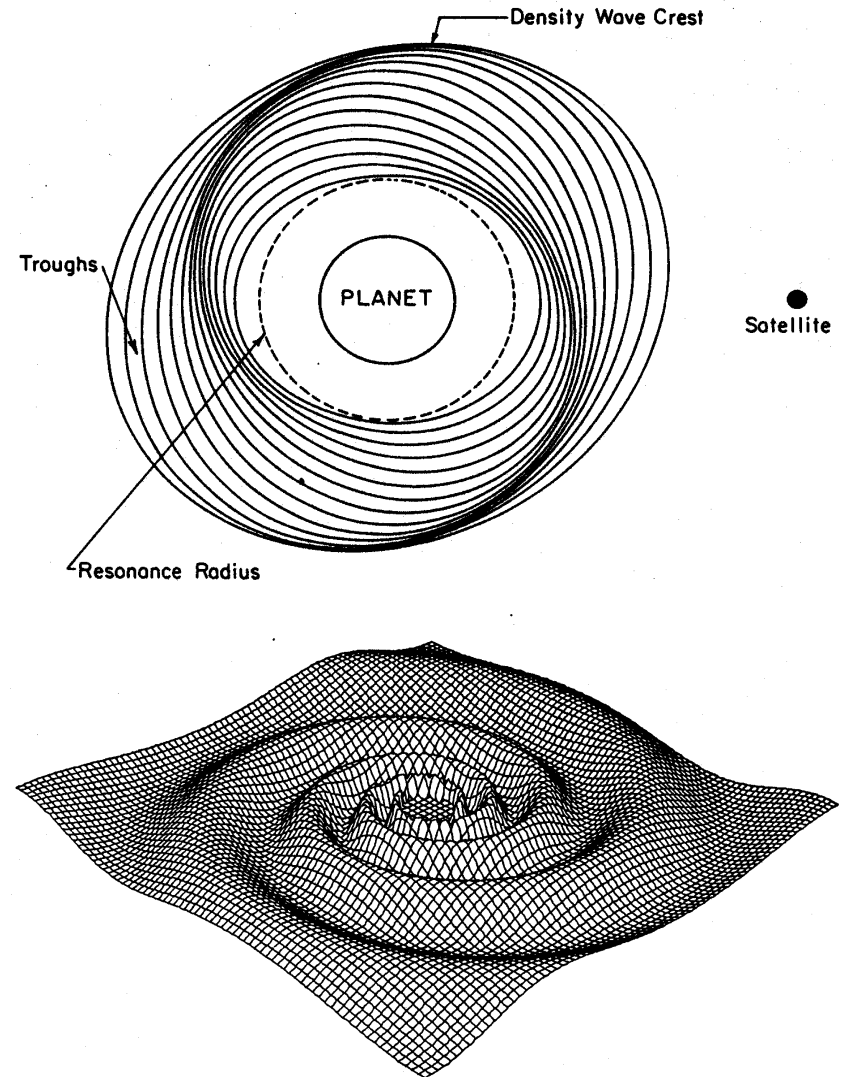
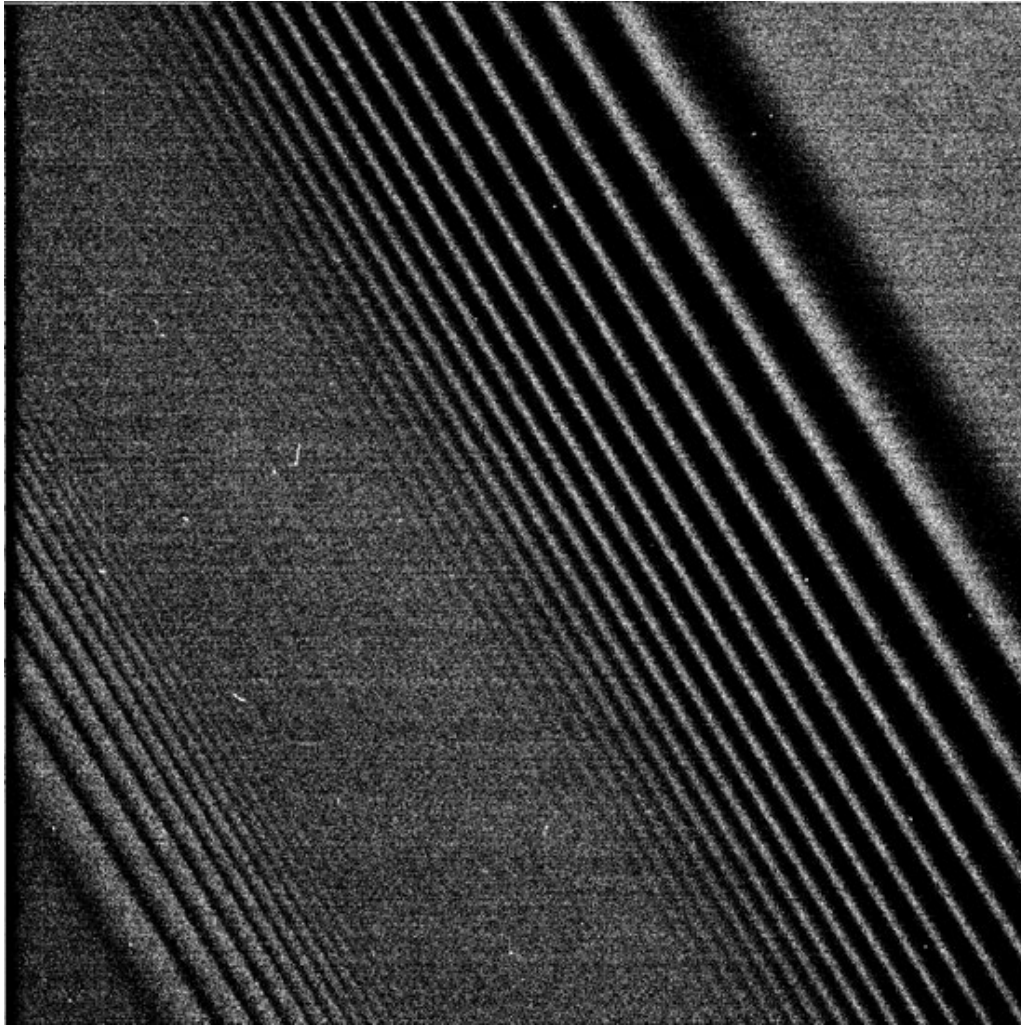
Atmospheric Dynamics Work for Saturn as Well



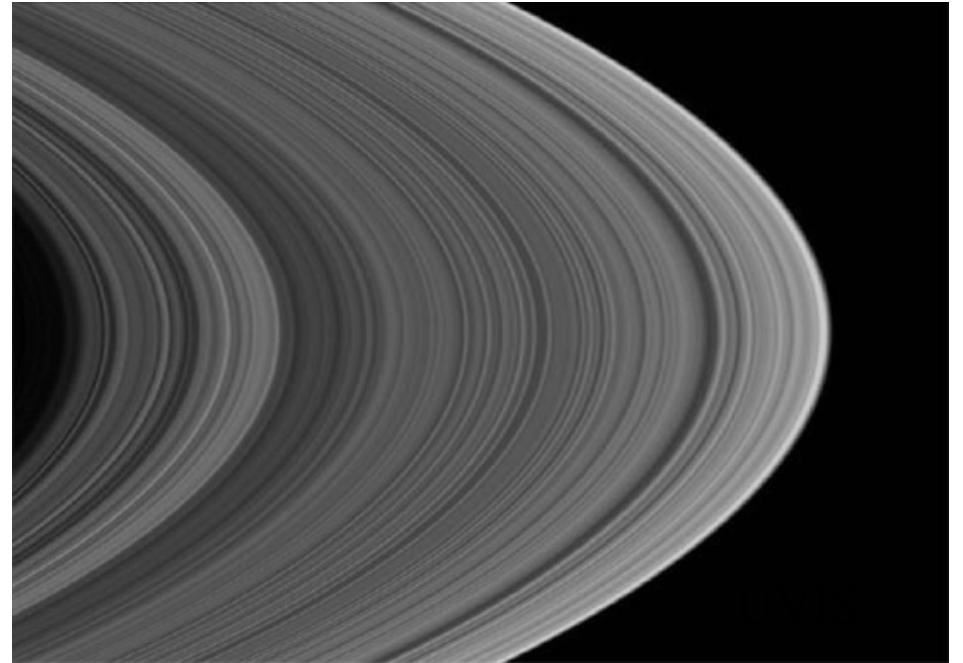
Cassini Ring Science



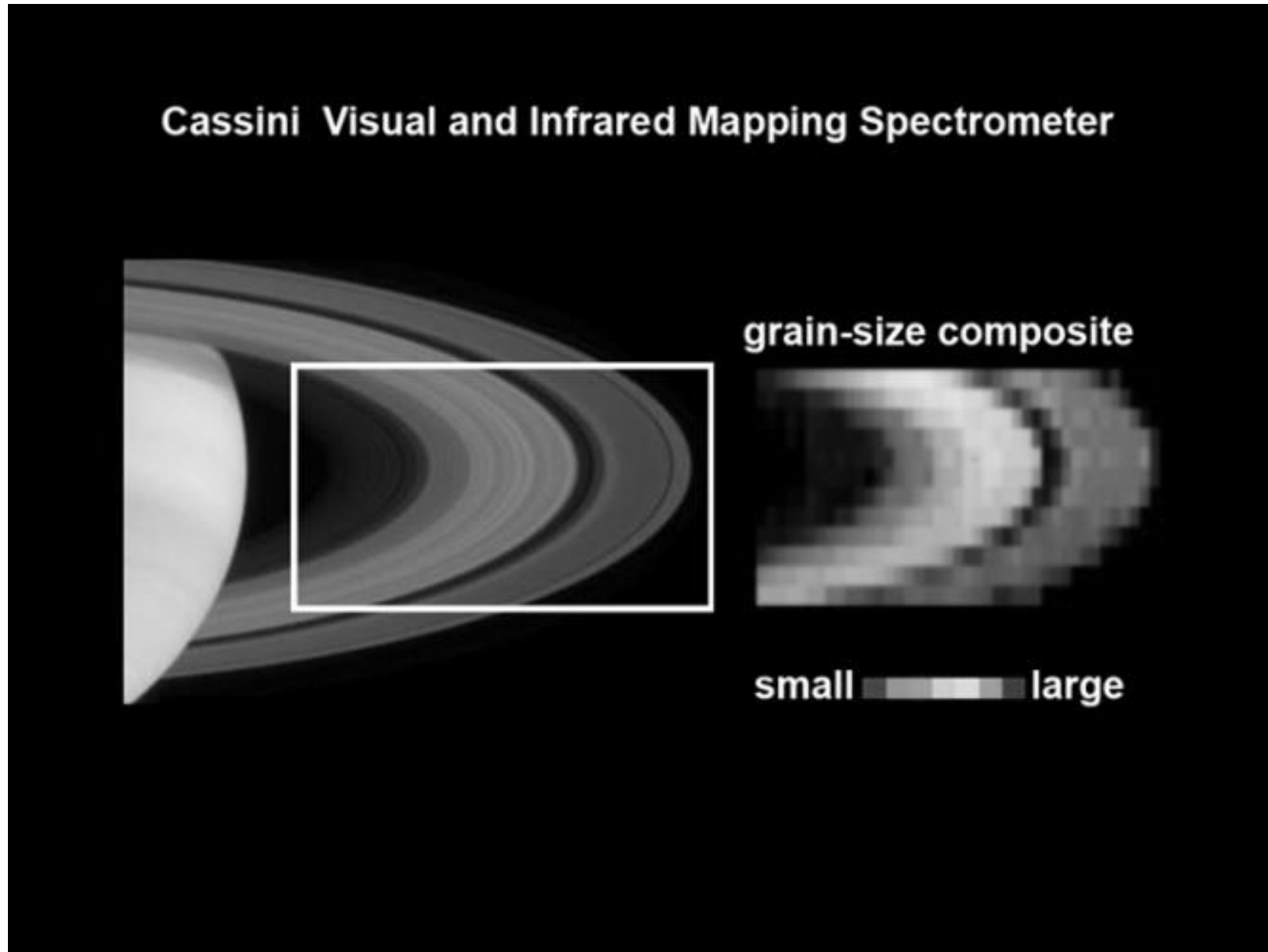
Cassini Ring Science: Waves



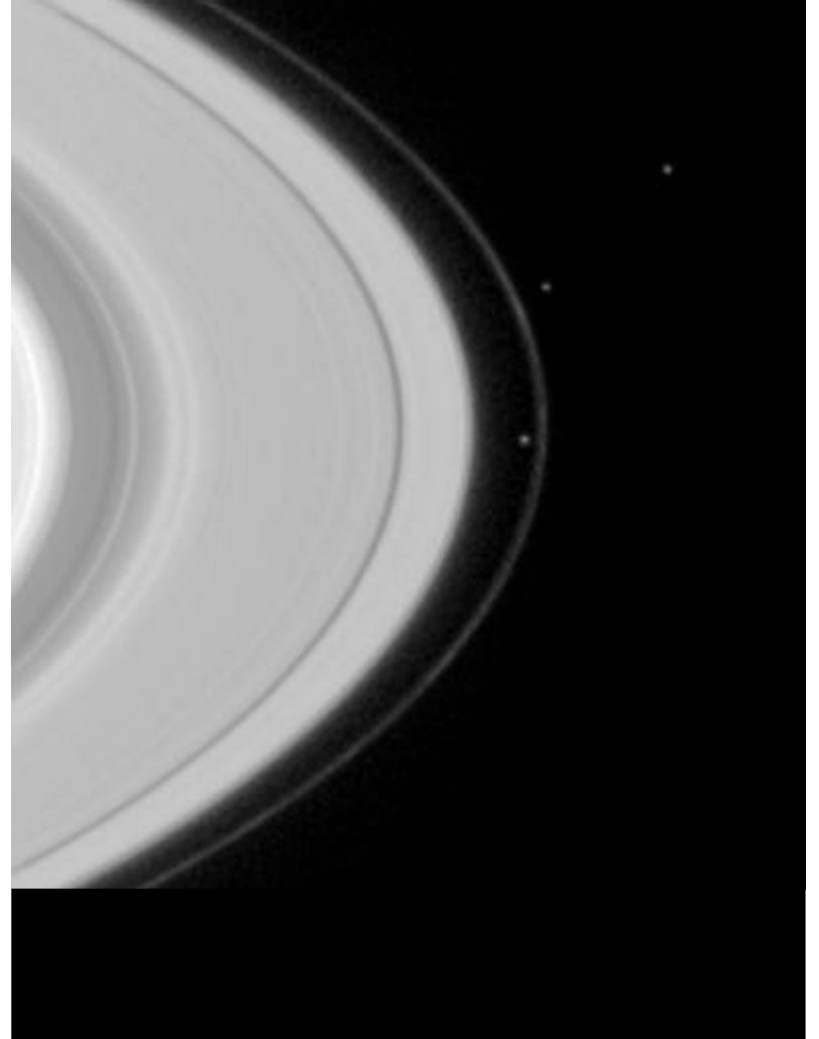
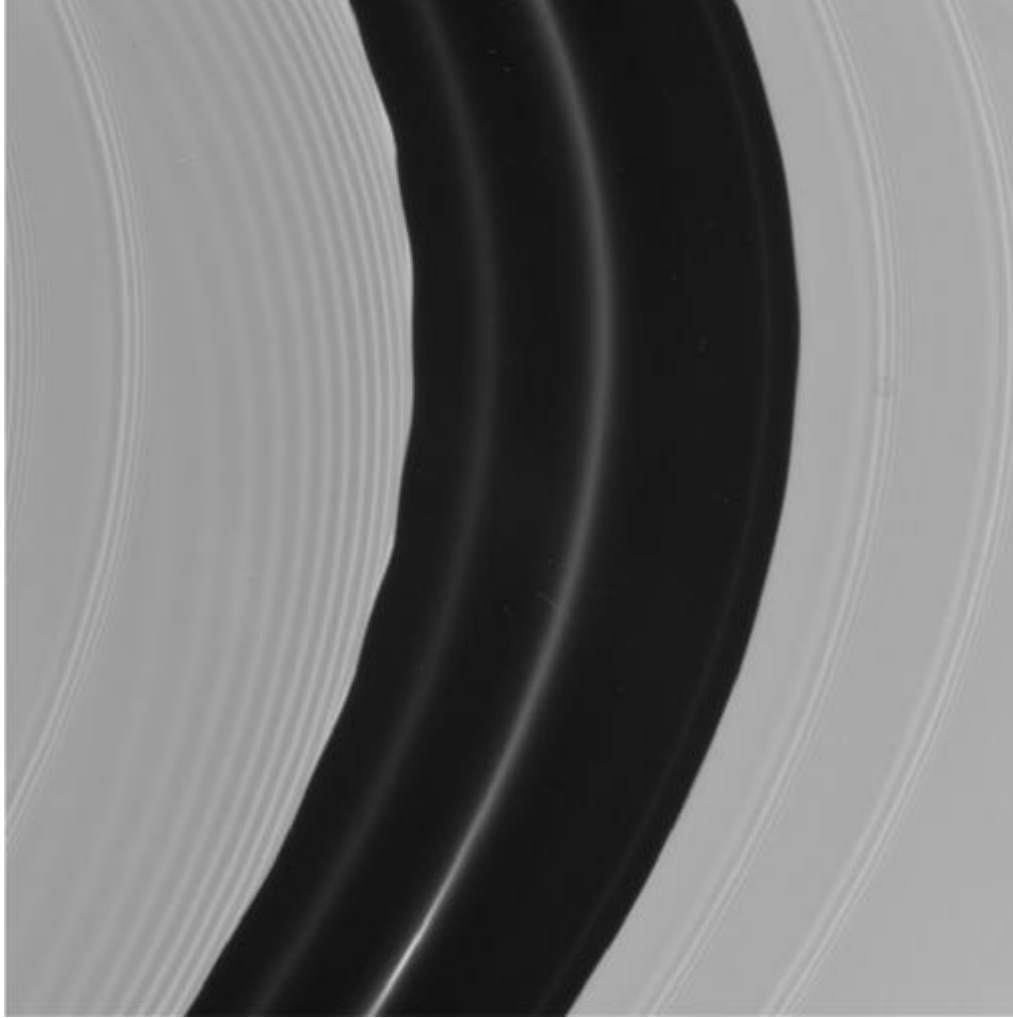
Cassini Ring Science: Temperature and Composition



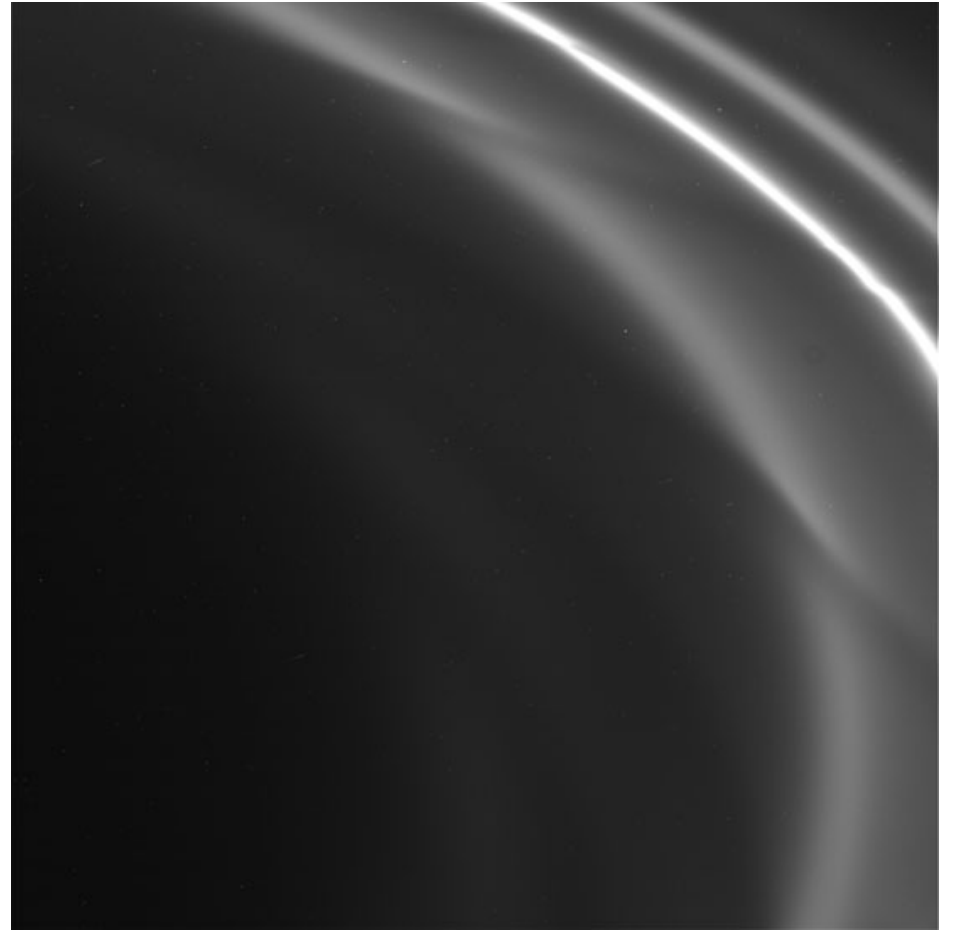
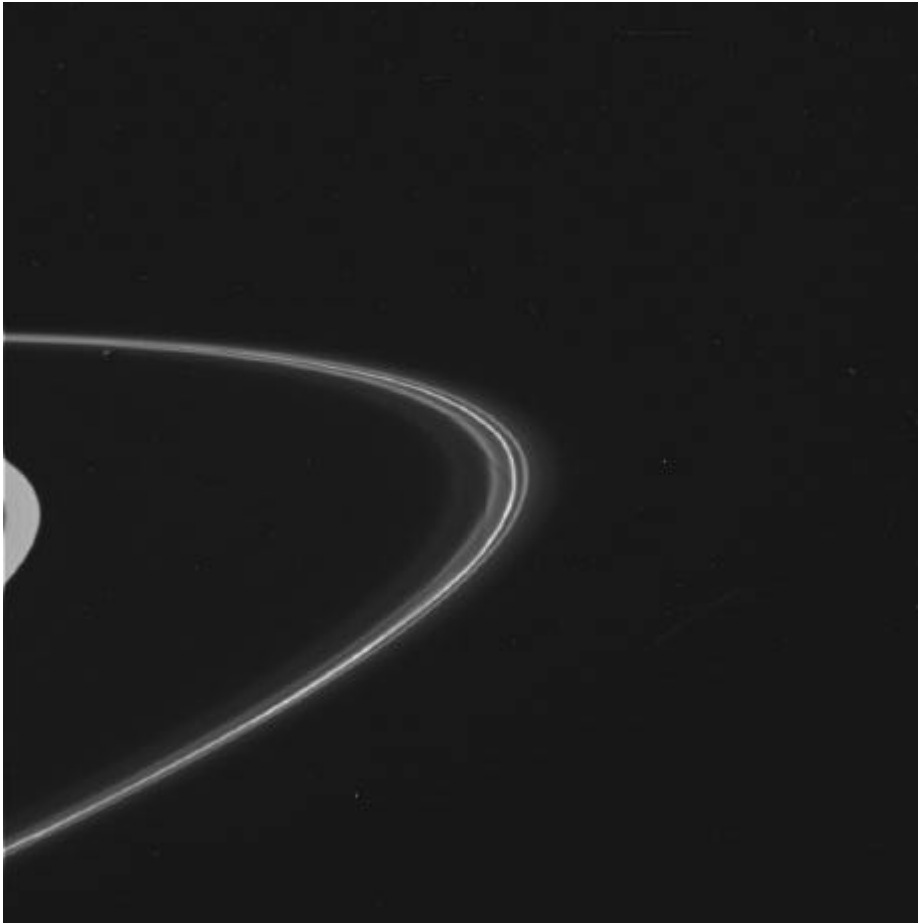
Cassini Ring Science: Grain Size



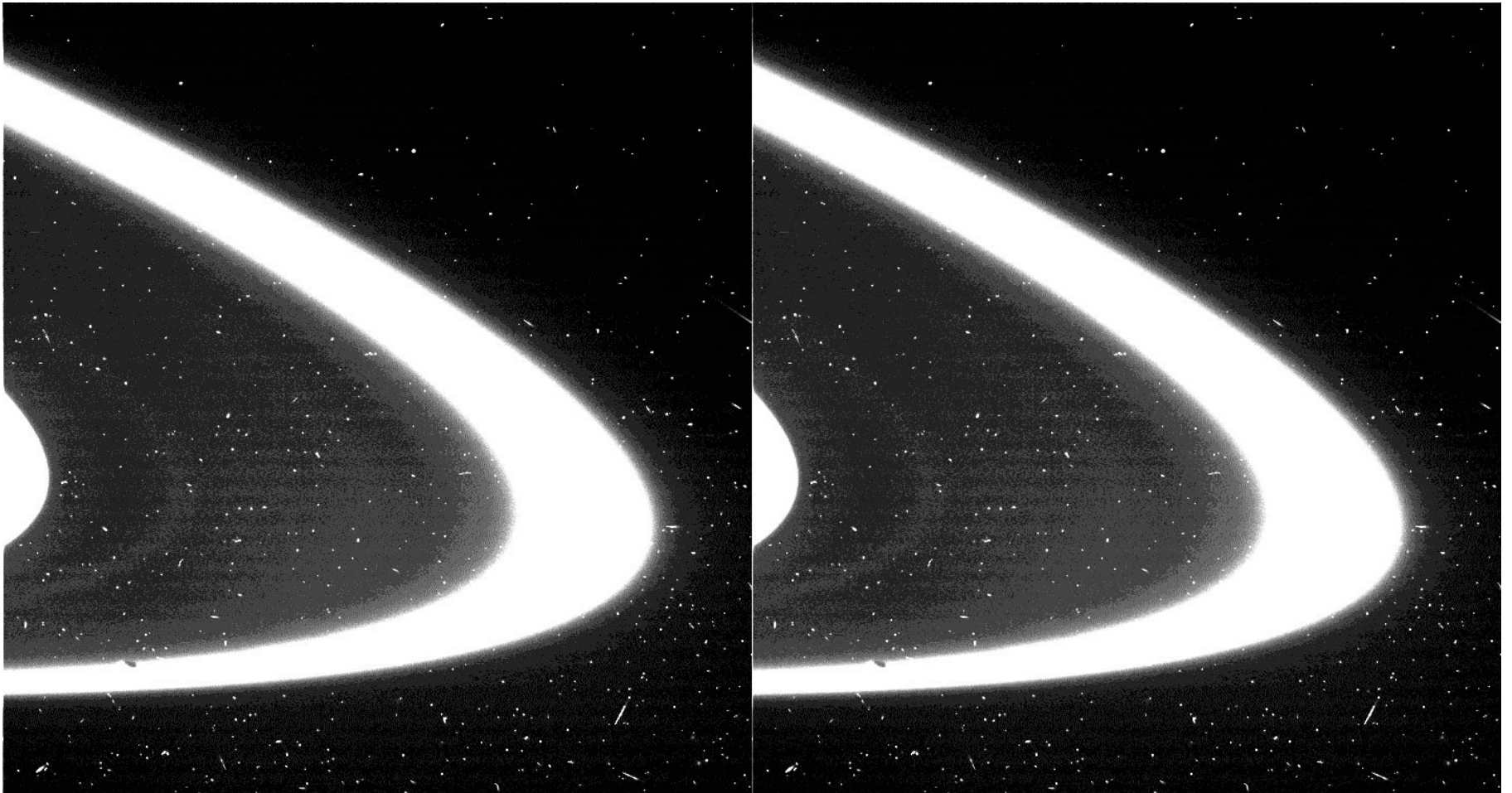
Cassini Ring Science: Moon/Ring Interactions



Cassini Ring Science: More Moon/Ring Interactions

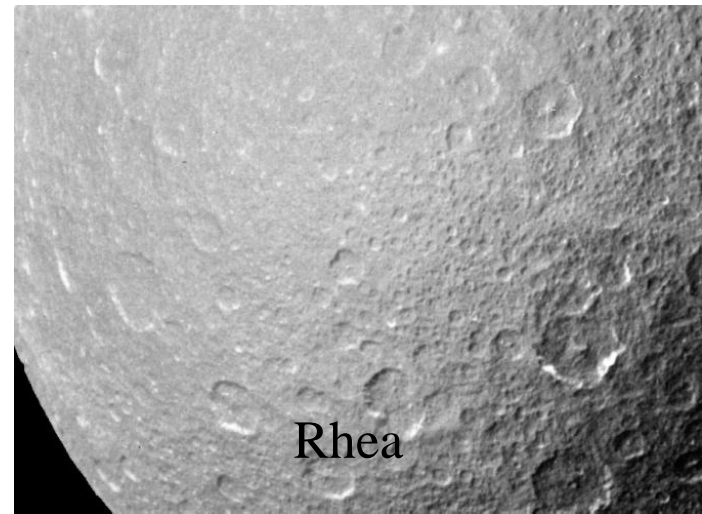


Cassini Ring Science: Still More Moon/Ring Interactions

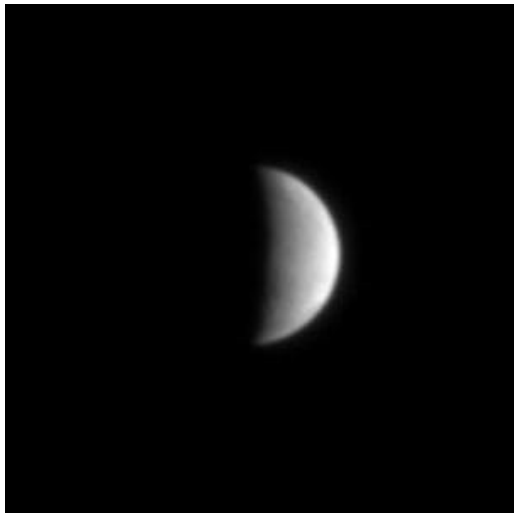


Atlas Ring

Saturn's Icy Satellites



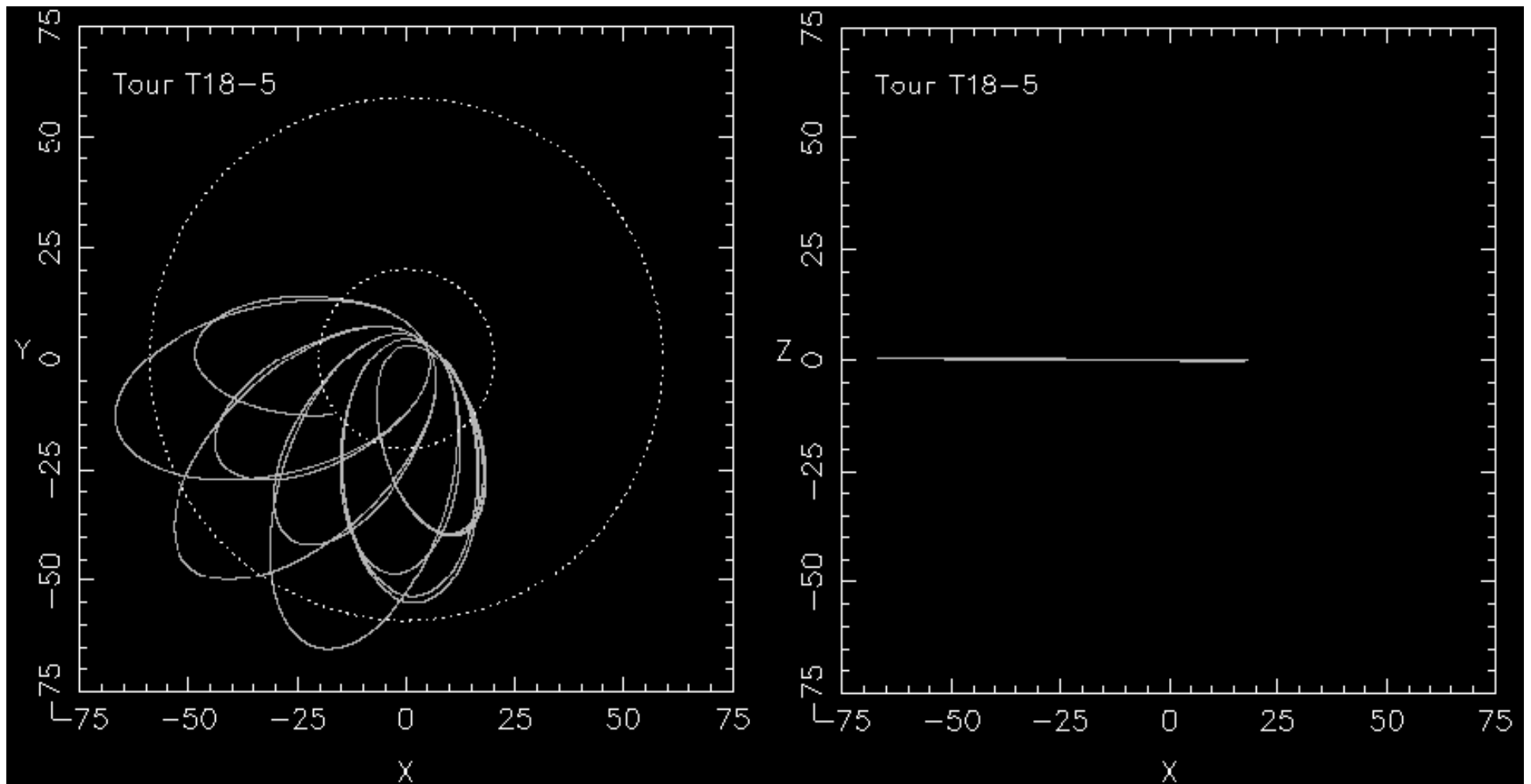
Recent Icy Satellite Images



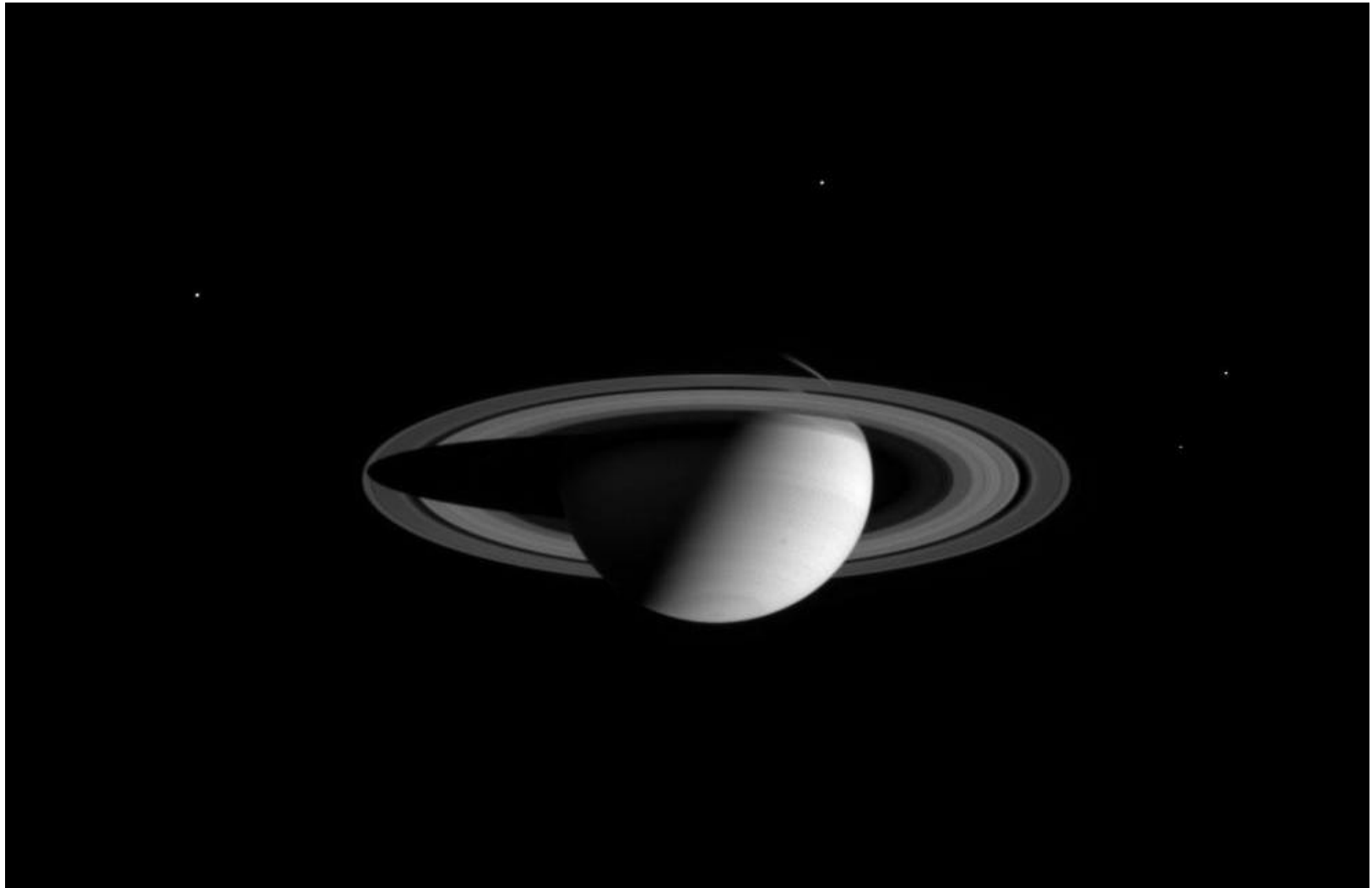
Cassini Tour T18-5

2005 SEPT 07 to 2006 JUL 22

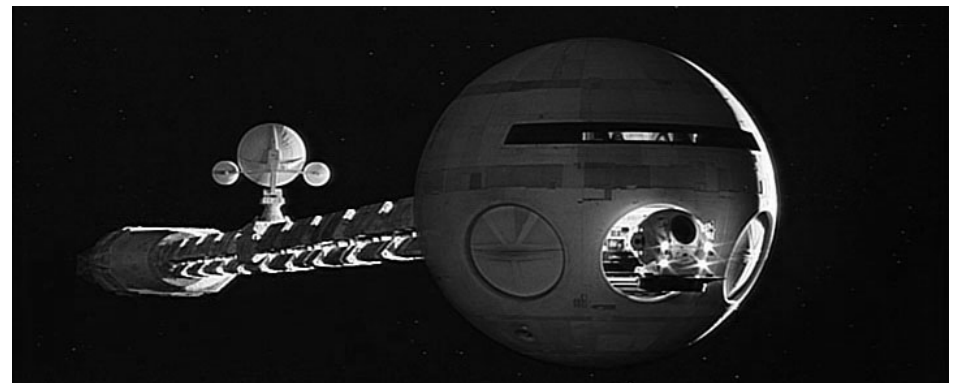
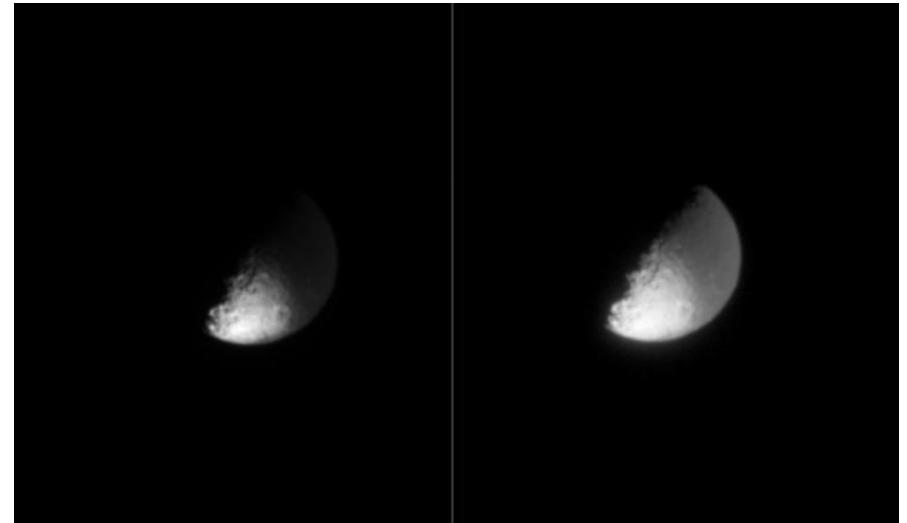
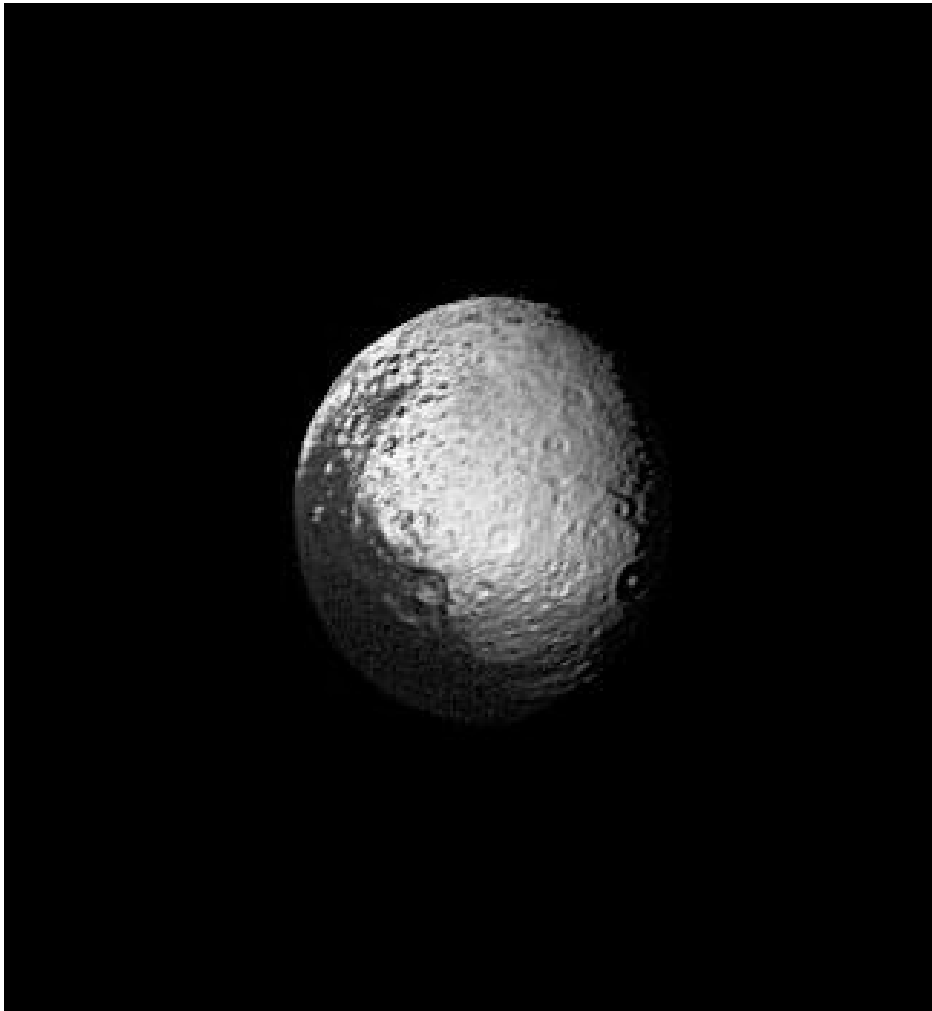
Magnetotail and Icy Satellites



A Halo of Moons



Iapetus



Two New Moons!

